

SPG S1000

Remote IO



The SPG S1000 Remote IO provides an easy expansion for an S1000 Smart controller. Supports onboard 8 Analog / Digital inputs, 2 Relay outputs and 3 O/C outputs and 1 onboard door without any expansion cards. In addition, it has a built in battery charger, ethernet port, and 2 OSDP ports.

Three expansion module sockets are available for a maximum of three cards, in any combination. This allows the Remote IO to expand up to 32 digital/analog inputs or up to 23 outputs or 4 doors / 8 readers. The readers can be either wiegand or OSDP.

Connection to the master S1000 is by OSDP over RS485 and / or Ethernet. Supports dual banks for firmware update. Robust and compact, it can handle temperatures up to 70°C, making it ideal in harsh, remote environments.



Can weather harsh Environments



Expansion operation Capability



Digital, analog inputs and card readers software configurable



Supports Ethernet and RS485



Auxiliary output supply



Modular configuration using expansion cards and remote slave S1000s



Built in Battery



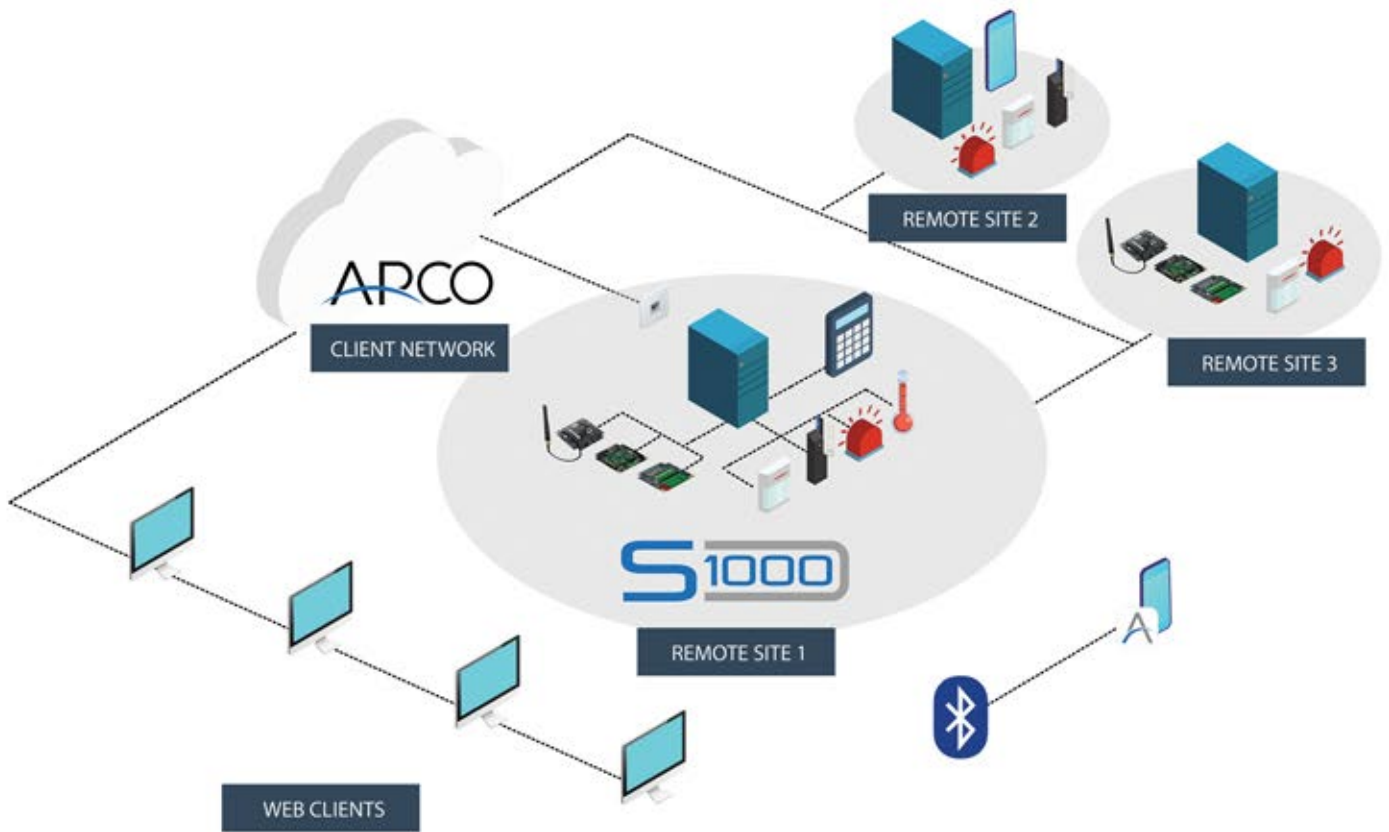
Sensor monitoring

Technical Specifications

On-board I/O	<ul style="list-style-type: none"> Inputs - 8 Multi End-of-line monitored inputs or analogue 0-10V inputs (default 10K, programmable from 1K to 50K) Outputs: 2 Relay NO/NC dry contact 0.5A@120VAC/1A@24VDC, 6 O/C 0-24V@250mA
Alarm	<ul style="list-style-type: none"> Inputs: 32 max Outputs: 23 max Readers: 8 max OSDP Devices: 8 max Tamper Input (top and bottom)
Environment	<ul style="list-style-type: none"> -10 to +70°C (14 to 122°F) 95% +/- 5% relative humidity (non-condensing) at 30°C (86°F)
Communication	<ul style="list-style-type: none"> Multidrop OSDP port isolated for connection to the master S1000 Smart Controller.
Supported Expansion Modules	<ul style="list-style-type: none"> Expansion Ports: IO, 6out and CRI expansion cards
Power Supply and Battery	<ul style="list-style-type: none"> AC Input Range 90V to 264VAC, 47 to 63 Hz, 1.5A Max Auxiliary output supply 1A at 10-16VDC
Status Indicators	<ul style="list-style-type: none"> Relay Outputs, Ethernet (speed and link status), RS485 (TX, RX), RS232 (TX, RX), DC power, Battery, system status
Dimensions	<ul style="list-style-type: none"> (165mm W X 100mm H x 40mm D) (6.3" x 3.9" X 1.6")
Weight	<ul style="list-style-type: none"> 150g (5.3oz)
Processor	<ul style="list-style-type: none"> ARM 7 32 bit @ 200MHz
Memory	<ul style="list-style-type: none"> 1Mbyte SRAM 2Mbyte Program flash 4Mbyte Data flash 512K EEPROM
Power Input	<ul style="list-style-type: none"> 10-60Vdc
Power Consumption	<ul style="list-style-type: none"> Typically 120mA @ 12Vdc
Power Protection	<ul style="list-style-type: none"> Resettable fuse 3.0A
Dual Flash Memory	<ul style="list-style-type: none"> This allows two (2) versions of firmware to be stored and enables remote upgrades to be performed



ARCO and S1000 Overview



Ordering Information

Part Number	Product Code	Description
200130	SD1-REMIO-PCB	Remote IO PCB Board only
200139	SD1-REMIO-PCBKIT	Remote IO PCB Board plus mounting kit for a small enclosure
200132	SD1-REMIO-MENC	Remote IO Board in a Standard SPG small metal Enclosure
200131	SD1-REMIO-MENC2	Remote IO Board in a Standard SPG large metal Enclosure with 2.5A, 240V-24V DC Supply
200133	SD1-REMIO-MENCL5	Remote IO Board in a Standard SPG large metal Enclosure with 5A, 240V-24V DC Supply